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Issued January 31, 1913.

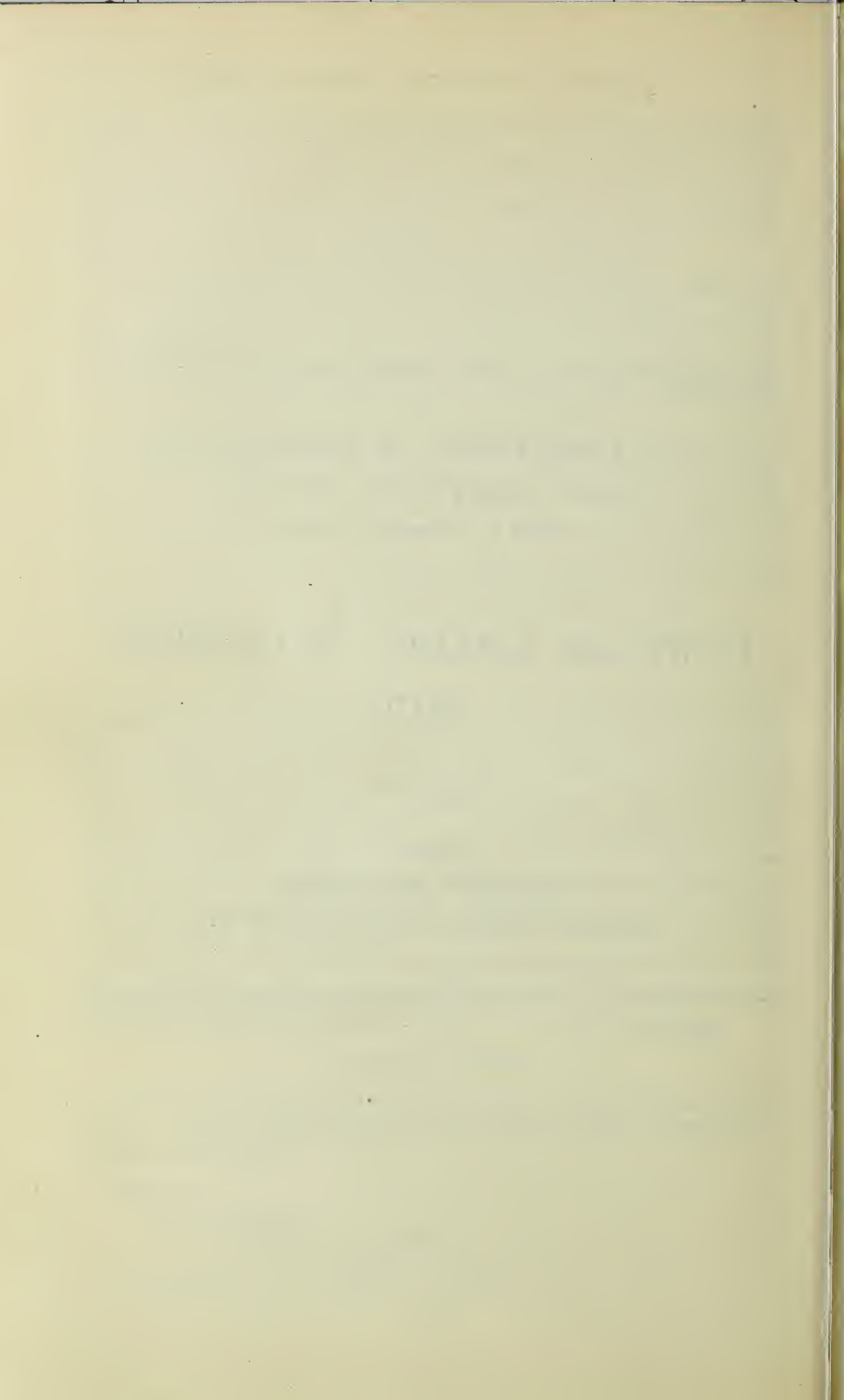
U. S. DEPARTMENT OF AGRICULTURE,
BUREAU OF STATISTICS—CIRCULAR 44.

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FOREIGN CROPS, DECEMBER,
1912.

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FOREIGN CROPS, DECEMBER, 1912.

THE 1912-13 YIELDS OF WHEAT, OATS, AND FLAXSEED IN ARGENTINA

The winter harvest, which begins in the northern grain-growing Provinces in late November and ends in February in the south, promises bulkier quantitative results for all crops than ever before. The area sown to wheat was 17,095,490,¹ against 17,042,487 acres the year before, there having been a contraction in 1912-13 of 321,353 acres in the declining acreage in Buenos Aires and Santa Fe, but an expansion of 374,377 acres in that of the other Provinces. A striking feature of the sowings was that they should have increased so slightly, since in the previous year the movement had been progressive and over 1,500,000 acres were added to the surface under wheat. Favorable weather during the current season, however, more than compensated for diminished acreage. The preliminary estimates issued by Argentine Department of Agriculture, December 27, while the harvest was in full progress, make the yield of wheat 198,414,000 bushels; last year the production, as finally determined, was 166,190,000 bushels; the previous high-record crop was in 1907-8, when 192,487,484 bushels were reaped from a sown area of 14,232,928 acres.

Oats culture in Argentina has in late years advanced with rapid strides, an annual average of about 500,000 acres having been added to the acreage during each of the past three years. The surface sown in 1912-13 amounted to 2,946,420 acres, an increase of 398,819 acres over that of the previous year and of 966,220 over that of 1910-11. According to a preliminary estimate of the Argentine Department of Agriculture, the production amounts this year to 115,879,287 bushels, compared with 69,169,325 bushels a year ago and 47,192,219 in 1910-11.

The yield of flaxseed, which during the three preceding years had been very discouraging, this year is estimated to have broken all records; the production amounted to 44,485,679 bushels, compared with 22,518,414 bushels the year before and a previous banner crop of 43,332,594 bushels in 1907-8. Argentina holds first place among all countries as a producer of flaxseed—a prominence that is heightened

¹ Revised estimate.

by the fact that the bulk of the crop is exported; in fact, Argentina and British India usually supply by far the larger proportion of the flaxseed that enters into the trade among nations.

The production of wheat, oats, and flaxseed in Argentina, by Provinces, in 1912-13, as compared with the previous four years, is shown in the following statement, the figures being the recent preliminary estimates of the Argentine Department of Agriculture for 1912-13, and final for other years.

Production of wheat, flaxseed, and oats in Argentina, by Provinces, 1912-13 to 1908-9.

WHEAT.

Province.	1912-13 (preliminary).	1911-12 (final).	1910-11 (final).	1909-10 (final).	1908-9 (final).
	<i>Bushels.</i> ¹	<i>Bushels.</i> ¹	<i>Bushels.</i> ¹	<i>Bushels.</i> ¹	<i>Bushels.</i> ¹
Buenos Aires.....	73,302,950	66,248,230	61,361,367	49,247,053	67,552,618
Santa Fe.....	33,215,973	24,250,600	19,216,763	17,269,624	32,358,825
Cordoba.....	53,645,267	44,092,000	47,582,617	45,581,134	42,116,348
Entre Rios.....	9,406,293	7,899,817	4,776,633	5,677,139	8,623,036
Pampa Central.....	25,720,333	20,576,267	10,839,283	11,030,863	3,306,900
Other Provinces.....	3,123,183	3,123,183	2,204,600	2,204,600	2,204,600
Total.....	198,413,999	166,190,097	145,981,263	131,010,413	156,162,327

FLAXSEED.

Buenos Aires.....	11,810,357	4,291,096	8,818,400	11,092,366	15,298,349
Santa Fe.....	14,959,786	7,086,214	6,605,926	8,168,830	15,678,958
Cordoba.....	9,054,607	5,905,179	4,724,143	4,351,762	4,293,852
Entre Rios.....	8,070,411	4,842,246	2,952,589	3,964,225	5,719,520
Pampa Central.....	433,046	314,943	311,006	614,729	217,704
Other Provinces.....	157,472	78,736	11,811	19,685	82,673
Total.....	44,485,679	22,518,414	23,423,875	28,211,597	41,291,056

OATS.

Buenos Aires.....	98,586,956	63,520,038	40,371,737		
Santa Fe.....	2,755,750	826,725	1,446,769		
Cordoba.....	2,066,812	344,469	895,619	(²)	(²)
Entre Rios.....	5,167,031	2,755,750	1,722,344		
Pampa Central.....	5,580,394	1,377,875	2,686,856		
Other Provinces.....	1,722,344	344,468	68,894		
Total.....	115,879,287	69,169,325	47,192,219	36,482,754	31,984,061

¹ Bushels: Wheat 60, flaxseed 56, and oats 32 pounds.

² Revised estimates by Provinces not available.

THE 1911-12 CROPS OF URUGUAY.

The latest statistics relating to agricultural production in Uruguay are the recently published estimates of the Department of Industry on areas and yields in 1911-12. As compared with the 1910-11, an unusual expansion is noted in the acreage of three of the principal crops, over 160,000 acres having been added to the wheat area, 48,000 acres to flaxseed, and that under oats having been more than trebled. The yield of wheat totaled 8,757,000 bushels, against 6,009,000 in the preceding year; oats, 1,825,000 bushels, against

590,000; and flaxseed, 879,000, against 660,000 bushels. The figures on area and production for the past three years follow:

Area and production of specified crops in Uruguay, 1911-12 to 1908-9.

Crop.	Area.				Production.			
	1911-12	1910-11	1909-10	1908-9	1911-12	1910-11	1909-10	1908-9
	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>
Wheat.....	798,736	636,552	(²)	683,941	8,756,783	6,009,143	(²)	8,594,634
Rye.....	164	143	(²)	(²)	2,170	848	(²)	(²)
Barley.....	6,234	2,340	(²)	8,616	83,994	24,653	(²)	141,104
Oats.....	85,636	28,968	(²)	17,027	1,825,246	590,304	(²)	462,321
Corn.....	(²)	498,400	534,400	502,275	(²)	3,643,000	6,514,000	6,671,000
Flaxseed.....	142,572	94,728	(²)	45,321	878,561	660,427	(²)	522,011
Canary seed.....	469	294	(²)	348	5,412	2,410	(²)	4,378

¹ Bushels: Wheat and canary seed 60; corn, flaxseed, and rye 56; barley 48; and oats 32 pounds.

² No official data available.

AUSTRALIAN WHEAT PRODUCTION IN 1912-13.

The three principal wheat-growing Provinces and Queensland have issued preliminary estimates of the probable results of the December harvest. For Tasmania and South Australia the information available up to date is from commercial sources. The total yield for the Commonwealth is evidently above the average of the four preceding years, and exceeds that of the previous year by about 9,000,000 bushels. The figures, by Provinces, follow:

Production of wheat in Australia, by States, 1912-13 to 1908-9.

State.	1912-13 ¹	1911-12	1910-11	1909-10	1908-9
	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>
New South Wales.....	25,086,445	25,878,754	28,793,242	29,431,216	15,971,231
Victoria.....	23,931,148	21,550,285	35,910,151	29,687,105	24,081,387
Queensland.....	2,681,939	294,094	1,054,593	1,621,118	1,240,266
South Australia.....	20,754,082	20,994,157	25,111,985	25,925,944	20,008,990
Western Australia.....	9,696,241	4,496,275	6,083,401	5,778,927	2,538,376
Tasmania.....	1,031,515	680,403	1,156,064	818,672	722,862
Total.....	83,181,360	73,893,968	98,109,436	93,262,982	64,563,112

¹ From Beerbohm's.

AGRICULTURAL RETURNS FOR SCOTLAND, 1912.

In the December report of the Board of Agriculture and Fisheries for Scotland it is stated that the estimates on the quantitative yield of cereals, beans, and hay in 1912 were not available this season until a later date than usual because of the protracted harvest. Notwithstanding delay, however, each crop, excepting wheat and beans, yielded more abundantly than last year. The total outturn of wheat amounted to 2,472,307 bushels, or 313,701 bushels less than in 1911—a result due partly to a decrease in area, partly to the fact that the average yield per acre was considerably under the unusually

high figure (43.87 bushels) of the preceding season, in fact less than the average of the previous 10 years. The production of barley and bere was 7,115,296 bushels, or 627,229 bushels larger than that of the year before, the increase being due to an extension of acreage, as the average output per acre (37.13 bushels), though somewhat above normal, was slightly lower than in 1911. Oats yielded nearly a bushel per acre above the average and over a bushel more than in 1911; notwithstanding a contraction in the surface sown, the production (37,602,413 bushels) was larger than that of the previous year by almost 845,000 bushels. Beans from a reduced area gave an average yield per acre (36.30 bushels) somewhat under normal, but fully two bushels larger than in 1911; the total production was 305,682 bushels, compared with 322,594 bushels last year. The combined yield of rotation grass and meadow hay was 13,737 tons heavier than in the preceding season, the decrease of 9,377 in rotation hay being outweighed by an increase of 23,114 tons of meadow hay.

Supplemental estimates of potatoes and roots put the 1912 potato crop at 31,780, 000bushels, a decrease, compared with 1911, of 1,317,100 bushels. The average yield per acre was over 212 bushels, slightly under the average of the past 10 years and less than that of 1911 by almost 20 bushels, which accounts for the diminution in production notwithstanding an increase of 7,138 acres in the area. The total yield of turnips and Swedes was over a million tons in excess of that of a year ago, the average yield per acre having been above normal and 2.61 tons larger than the unusually low average of 1911. The estimates, in detail, follow:

Area and production of specified crops in Scotland, 1912 and 1911.

[Estimate of the Board of Agriculture for Scotland.]

Crop.	Area.		Production.		Average estimated yield per acre.		10-year average, 1902-1911.
	1912	1911	1912	1911	1912	1911	
	<i>Acres.</i>	<i>Acres.</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>
Wheat.....	62,369	63,506	2,472,307	2,786,008	39.64	43.87	40.89
Barley (including bere).....	191,632	173,617	7,115,296	6,488,067	37.13	37.37	36.77
Oats.....	956,561	963,498	37,602,413	36,757,449	39.31	38.15	38.49
Potatoes ²	149,767	122,629	31,780,000	33,097,100	212.20	232.05	217.67
Beans.....	8,421	9,463	305,682	322,594	36.30	34.09	36.73
			<i>Tons.³</i>	<i>Tons.³</i>	<i>Tons.³</i>	<i>Tons.³</i>	<i>Tons.³</i>
Hay from rotation grass.....	423,588	437,333	654,895	664,272	1.55	1.52	1.63
Hay from permanent grass.....	166,732	171,434	253,504	230,390	1.52	1.34	1.48
Turnips and Swedes.....	439,587	438,818	7,525,008	6,365,234	17.12	14.51	16.57
Mangels.....	2,830	2,250	50,441	43,995	17.83	19.55	18.13

¹ Winchester bushels.

² Bushels of 60 pounds.

³ Ton=2,000 pounds

THE IRISH CROPS IN 1912.

The Board of Agriculture and Technical Instruction for Ireland, reporting statistically the agricultural results of the past season, states that wheat turned out an under-average yield because of excessive rains and lack of sufficient heat. Oats, on the other hand, gave a heavy crop and thrashed out very satisfactorily, the outturn being the best in a number of years. Barley yields varied considerably in different counties, but the average per acre for the entire country was below that of a year ago. Thrashing of the three crops was done under fairly favorable conditions; the yield of straw was large and of good quality.

The average yield per acre of potatoes was 160.5 bushels against 231.5 bushels in 1911 and an average of 176 bushels for the 10-year period, 1902-1911. The acreage of the 1912 crop was 595,184 acres, compared with 591,259 acres in 1911, an increase of 3,925 acres; the 1912 yield was 95,000,000 bushels, against 138,000,000 bushels last year. Planting, delayed much later than usual, was not finished until mid-May, and frost in late May did much harm to plants above ground. Abnormally heavy rainfall in June prevented proper cultivation, and low temperature and lack of sufficient sunshine throughout the remainder of the growing period, besides causing blight, was unfavorable to satisfactory yields. The crop as a consequence proved considerably below average, both in yield and quality of tubers. Below is a statement of areas and yields of various crops in 1912, compared with the preceding year:

Area and production of cereals, pulse, potatoes, and hay in Ireland, 1912 and 1911.

[Estimate of the Department of Agriculture and Technical Instruction for Ireland.]

Crop.	Area.		Production.		Yield per acre.	
	1912	1911	1912	1911	1912	1911
	<i>Acres.</i>	<i>Acres.</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>
Wheat.....	44,855	45,056	1,563,925	1,656,084	34.9	36.8
Barley.....	165,367	158,180	7,258,823	7,098,555	43.8	44.8
Oats.....	1,046,000	1,040,185	66,867,412	59,207,456	64.0	57.0
Rye.....	7,765	9,026	238,028	261,128	30.6	29.0
Beans.....	1,683	1,683	59,405	60,450	41.8	35.8
Peas.....	279	301	7,814	8,383	28.0	27.8
Potatoes.....	595,184	591,259	95,077,173	137,941,291	160.5	231.5
Hay (first, second, and third year).....	916,976	939,223	<i>Tons.</i> 1,710,027	<i>Tons.</i> 1,573,746	<i>Tons.</i> 1.9	<i>Tons.</i> 1.7
Hay (permanent meadows).....	1,570,373	1,573,180	3,295,564	2,900,821	2.1	1.8

¹ Bushels: Wheat, peas, beans, and potatoes, 60; barley 48, oats 32, and rye 56 pounds.

The estimates of the same department respecting the number of live stock in 1911, as compared with the previous year, indicate an increase in the number of horses and cattle, but a decrease in all other kinds of animals, notably in sheep and swine.

Number of live stock in Ireland, 1912-1908.

Live stock.	1912	1911	1910	1909	1908
	<i>Number.</i>	<i>Number.</i>	<i>Number.</i>	<i>Number.</i>	<i>Number.</i>
Horses.....	617,532	616,331	613,244	599,185	604,629
Mules and jennets.....	30,911	31,740	31,460	30,479	30,351
Asses.....	243,447	246,353	240,677	243,666	241,133
Cattle.....	4,848,498	4,711,720	4,688,888	4,699,564	4,792,458
Sheep.....	3,828,829	3,907,436	3,979,516	4,133,358	4,126,106
Swine.....	1,323,957	1,415,119	1,200,005	1,149,179	1,217,840
Goats.....	252,722	258,474	242,614	252,041	246,286

POTATO AND ROOT CROPS OF FRANCE, 1912-1907.

The season of 1912, though characterized by excessive humidity, proved quite favorable to the growth of potatoes and root crops, and the yields of each are above the average of the preceding five years. Potatoes, which in the two previous seasons had given very moderate returns, were harvested in 1912 from an area 128,000 acres less than in 1911 and 137,000 less than the average of the preceding five years. The deficiency in acreage, however, was afterwards neutralized by fairly abundant yields per unit of surface; the average yield per acre, almost 146 bushels, though not so heavy as in 1908 and 1909, exceeded that of 1910 by over 63 and that of 1911 by almost 24 bushels. The total outturn amounted to 539,535,000 bushels and surpassed that of 1911 by 70,000,000 bushels and the average annual yield of the five years, 1907-1911, by almost 33,000,000.

The surface devoted to the cultivation of sugar and other kinds of beets in France is being almost steadily augmented. A larger extent of land was sown to each variety in 1912 than in any year (excepting 1910) of the preceding quinquennium. The acreage under sugar beets surpassed for the third time the 600,000-acre mark, and the heavy outturn of 12.77 tons per acre has not been exceeded once in the previous five years. The 1912 yield, 7,742,269 tons, constitutes a new high record of production. The surface devoted to the culture of beets for animal food has, since 1907, been increased over 100,000 acres, and in 1912 amounted to 1,639,000 acres. Owing partly to the exceptionally heavy yield per acre in 1912, the total output is estimated to be over 27,301,000 tons, or over 10,000,000 tons larger than the deficient crop of 1911. Beets for distilling purposes are grown on a comparatively small scale. The acreage in 1912 was 141,452 acres; the production, 2,575,849 tons, exceeded the short crop of 1911 by over 898,000 tons.

Area, production, and yield per acre of potatoes and beets in France, 1912-1907.

[Estimates of the French Department of Agriculture.]

Item.	1912	1911	1910	1909	1908	1907
Potatoes:						
Acres.....	3,700,940	3,852,610	3,822,612	3,823,601	3,818,486	3,761,084
Bushels (60 pounds).....	539,535.065	469,386,163	313,188,783	613,041,132	625,014,315	512,229,246
Bushels per acre.....	145.78	121.84	81.93	160.33	163.68	136.19
Sugar beets:						
Acres.....	606,346	600,280	611,301	585,083	550,959	541,774
Tons (2,000 pounds).....	7,742,269	4,669,083	6,426,226	6,893,908	6,396,226	5,780,393
Tons per acre.....	12.77	7.78	10.51	11.78	11.61	10.67
Beets for fodder:						
Acres.....	1,633,953	1,666,640	1,644,352	1,633,084	1,587,000	1,523,065
Tons (2,000 pounds).....	27,300,719	17,102,268	23,599,631	25,528,509	23,321,313	18,909,345
Tons per acre.....	16.66	10.26	14.35	15.63	14.70	12.42
Beets for distilling:						
Acres.....	141,452	131,277	121,598	121,376	121,993	140,200
Tons (2,000 pounds).....	2,575,849	1,677,773	2,108,886	2,170,614	2,193,708	2,133,380
Tons per acre.....	18.21	12.78	17.34	17.88	17.98	15.21

The 1912 vintage, particularly as compared with that of the two previous years, has yielded abundantly; but an important deficiency is reported for Algeria. The French production exceeds that of last year by about 382,000,000 gallons and is over 808,000,000 gallons larger than the very deficient yield of 1910. The 1912 vintage in Algeria, on the other hand, is over 57,000,000 gallons short of that of last year and over 46,000,000 gallons below the record made in 1910. Estimates of the French Office of Indirect Taxes on the production of both the mother country and the colony during the five years 1912-1908 are shown below:

Production of wine in France and Algeria, 1912-1908.

Year.	France.	Algeria.	Total.
	<i>Gallons.</i>	<i>Gallons.</i>	<i>Gallons.</i>
1912.....	1,567,559,288	176,232,588	1,743,791,876
1911.....	1,185,741,574	233,859,245	1,419,600,819
1910.....	758,786,058	222,289,915	981,075,973
1909.....	1,438,296,284	217,378,070	1,655,674,354
1908.....	1,599,424,133	206,151,241	1,805,575,374

Recent official estimates of the number of live stock in 1911, as compared with former years, indicate a fairly normal increase in horses, mules, milch cows, and other cattle, but a decrease in the number of sheep since 1907 of over 1,000,000 head. The number of swine, which had increased 310,726 head from 1907 to 1909, has since diminished over 587,000 head.

Number of live stock in France, 1911-1907.

[Estimates of the French Department of Agriculture.]

Animal.	1911	1910	1909	1908	1907
	<i>Number.</i>	<i>Number.</i>	<i>Number.</i>	<i>Number.</i>	<i>Number.</i>
Horses.....	3,236,110	3,197,720	3,236,130	3,215,050	3,094,698
Mules.....	194,040	192,740	194,270	194,010	191,715
Asses.....	360,590	360,710	361,440	363,090	361,073
Milch cows.....	7,606,670	7,596,250	7,538,720	7,520,750	7,336,214
Other cattle.....	6,945,760	6,935,780	6,758,850	6,718,980	6,613,508
Sheep.....	16,425,330	17,110,760	17,357,640	17,456,380	17,460,234
Swine.....	6,719,570	6,900,230	7,305,850	7,202,430	6,995,124
Goats.....	1,424,180	1,417,710	1,418,000	1,424,870	1,421,009

THE OLIVE CROP OF ITALY, 1912-1909.

The October official estimate of the production of olives in 1912, which put the crop of the entire Kingdom at 1,102,300 tons of 2,000 pounds each, has in the light of later data proved oversanguine. In November a revision of the earlier figures reduced the total yield to 768,634 tons, against 1,491,324 tons in 1911, and thus made the outturn, instead of a medium one, the smallest in several years. Deficiencies of fruit, owing to drought, the olive fly, and other causes are heaviest in seven Provinces in the southern half of the Kingdom, notably in Calabria, Sicily, and Sardinia. Somewhat better results were obtained in territory immediately north of the Provinces named. And in parts of Upper Italy, especially in Liguria, Lombardy, Venetia, Tuscany, Marches, Umbria, and Latium the crop as a whole is about average. The revised preliminary estimate of the Italian Department of Agriculture, Industry and Commerce on the production by Provinces in 1912 as compared with that in each of the three previous years is shown below:

Production of olives in Italy, 1912-1909.

[Estimates of Italian Department of Agriculture, Industry and Commerce.]

Province.	1912 ¹	1911	1910	1909
	<i>Tons.²</i>	<i>Tons.²</i>	<i>Tons.²</i>	<i>Tons.²</i>
Liguria.....	43,651	71,319	18,166	42,042
Lombardy.....	1,764	1,720	2,326	331
Venetia.....	3,307	1,675	3,494	1,653
Emilia.....	2,866	1,532	2,414	265
Tuscany.....	68,343	67,009	84,194	92,053
Marches.....	6,614	6,173	10,075	7,121
Umbria.....	23,810	16,865	36,288	31,790
Latium.....	45,194	55,115	39,738	39,385
Abruzzi and Molise.....	42,879	62,567	99,042	94,886
Campania.....	100,089	81,449	89,341	137,898
Apulia.....	214,728	270,008	320,990	351,402
Basilicata.....	16,865	20,393	35,031	32,705
Calabria.....	66,799	451,094	230,590	432,090
Sicily.....	123,458	328,518	55,677	376,204
Sardinia.....	8,267	55,887	4,122	45,812
Total.....	768,634	1,491,324	1,031,488	1,685,637

¹ Preliminary.² 2,000 pounds.

The Department of Agriculture, Industry and Commerce has also revised the October estimates relative to the 1912 production of corn, rice, grapes, and hemp and issued a preliminary estimate of the yield of potatoes and sugar beets. According to the revised figures, the 1912 rice crop amounts to only 484,461 tons, instead of the former estimate of 529,104 tons. The final figures on the production of grapes are 7,367,332 tons against the October estimate of 7,164,950 tons. The yield of hemp is reduced to 104,608 tons, the preliminary figure having been 110,230 tons. Detailed estimates of the 1912 area and production of the above-named crops with comparisons for previous years follow:

Production of specified crops in Italy, 1912-1909.

Crop.	Unit.	Area.		Production.			
		1912	1911	1912	1911	1910	1909
		<i>Acres.</i>	<i>Acres.</i>				
Corn.....	Bushels (57 pounds)	3,937,536	4,066,400	98,667,660	98,680,000	101,722,000	99,289,000
Potatoes.....	Bushels (60 pounds)	712,142	711,895	156,631,283	62,140,325	56,562,687	63,272,020
Hemp (fiber).....	Tons (2,000 pounds)	211,023	184,658	104,608	74,240	95,724	86,420
Flax (fiber).....	do.....	21,646	21,794	2,756	3,039	3,441	3,621
Grapes.....	do.....	11,006,822	11,063,161	7,367,332	7,180,382	5,151,753	10,596,167
Sugar beets.....	do.....	133,434	131,260	1,822,377	1,587,753	1,850,839	1,385,216
Rice.....	do.....	359,530	357,060	484,461	528,244	482,785	523,945

¹ Preliminary.

GERMAN CROPS IN 1912.

Notwithstanding the abnormally wet and prolonged harvest, which at one time threatened to prevent the saving of a great deal of grain, the quantitative yields of rye, potatoes, and wheat, as recently estimated by the Imperial Statistical Bureau, have each surpassed the record of all previous years; barley and oats have also given results much above average. Outside of the area annually occupied by hay of different kinds, a larger proportion of the cultivated land is devoted to rye than to any other crop, oats ranking second, potatoes third, and wheat fourth.

From the viewpoint of production, potatoes, of which a larger quantity is grown in Germany than in any other country of the world, is by far the leading crop. The total yield in 1912 amounted to 1,844,863,000 bushels, exceeding the short one of the year before by 582,000,000 bushels and the average of the four years, 1911-1908, by over 275,000,000. The output is consumed wholly within the Kingdom, the average annual exports of the past 5 years having been only 4,945,000 bushels against average annual imports of 15,563,000 bushels. Of the enormous quantity produced yearly it is unofficially estimated that about 7 per cent is bought by the spirit factories, 3 per cent is used for the manufacture of starch, and 44 per cent in feeding swine. A considerable development of the potato-drying industry has taken place in recent years, over 15,000,000 bushels having been utilized for that purpose in the year ended July 31, 1911. Obviously the proportion of the crop used for human food is difficult to estimate. The varieties of tubers grown are quite numerous in shape, color, and time of maturing; the early varieties ripen about the end of July, the medium early in late August, the "main" crop is dug in late September and late potatoes in October. With reference to uses, the output is classified into "domestic," "fodder," and "factory" potatoes.

Next in importance to potatoes is rye. As a producer of this cereal Germany ranks second only to the Russian Empire, the Russian area

under this food grain in 1909 having amounted to 72,930,000 acres, the German to 15,489,000. The two countries produce yearly about 76 per cent of the so-called "rye crop of the world." The yield in each in 1912 largely exceeded that of any previous year, the Russian output having reached the large total of 1,067,585,000 bushels and the German 456,600,000.

Subjoined are the estimates of the German Imperial Statistical Bureau on the area, production, and yield per acre of cereals, potatoes and forage in 1912, compared with previous years.

Area and production of specified crops in Germany, 1912-1908, and average yield per acre, 1912-1911.

AREA.

Crop.	1912	1911	1910	1909	1908
Wheat:	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>
Winter.....	4,275,450	4,327,312	4,283,995	3,944,346	4,147,405
Spring.....	483,068	550,929	513,951	581,001	509,441
Total wheat.....	4,758,518	4,878,241	4,800,946	4,525,347	4,656,846
Rye:					
Winter.....	15,223,396	14,865,472	14,997,164	14,848,207	14,812,343
Spring.....	265,452	295,638	290,357	300,832	310,012
Total rye.....	15,488,848	15,161,110	15,287,521	15,149,039	15,122,355
Barley.....	3,928,329	3,916,656	3,880,545	4,068,141	4,025,177
Oats.....	10,841,275	10,693,749	10,599,075	10,649,928	10,564,279
Potatoes.....	8,257,108	8,207,375	8,144,957	8,212,944	8,136,131
Clover, hay.....	4,208,937	4,968,099	5,145,200	5,044,781	5,144,209
Alfalfa, hay.....	607,775	598,928	599,951	600,463	589,583
Meadows:					
Irrigated.....	1,134,834	1,206,718	1,268,110	1,288,345	1,303,952
Other.....	13,494,769	13,450,755	13,471,447	13,442,611	13,441,281

PRODUCTION.

Crop.	1912	1911	1910	1909	1908	Average yield per acre.	
						1912	1911
Wheat:	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bush.¹</i>	<i>Bush.¹</i>
Winter.....	143,600,699	133,754,148	125,981,353	117,501,065	123,079,401	33.59	30.91
Spring.....	16,623,162	15,656,555	15,902,257	20,497,599	15,360,918	34.41	28.42
Total wheat.....	160,223,861	149,410,703	141,883,610	137,998,664	138,440,319	.....	.....
Rye:							
Winter.....	451,254,653	422,301,799	408,317,706	440,683,675	416,958,399	29.64	28.41
Spring.....	5,345,131	5,473,904	5,484,139	6,079,106	5,729,322	20.14	18.52
Total rye.....	456,599,784	427,775,703	413,801,845	446,762,781	422,687,721	.....	.....
Barley.....	159,924,164	145,132,263	133,329,523	160,550,730	140,537,968	40.71	37.06
Oats.....	586,987,558	530,764,408	544,286,529	628,711,686	530,125,901	54.14	49.63
Potatoes.....	1,844,863,146	1,263,023,607	1,597,173,727	1,716,143,386	1,702,786,229	223.43	153.89
	<i>Tons.²</i>	<i>Tons.²</i>	<i>Tons.²</i>	<i>Tons.²</i>	<i>Tons.²</i>	<i>Tons.²</i>	<i>Tons.²</i>
Clover, hay.....	8,762,383	7,793,774	13,165,493	9,872,966	12,892,440	2.05	1.57
Alfalfa, hay.....	1,642,944	1,203,514	1,827,855	1,491,297	1,741,792	2.7	2.01
Meadows:							
Irrigated.....	2,804,139	2,418,838	3,095,306	2,609,318	3,162,160	2.47	2.00
Other.....	27,709,576	19,599,962	28,044,796	21,796,626	26,683,821	2.05	1.46

¹ Bushels: Wheat and potatoes 60, rye 56, barley 48, and oats 32 pounds.

² Tons of 2,000 pounds.

AUSTRIAN CEREALS, 1912-1909.

The 1912 cereal yields, in spite of the apprehensions caused by the exceedingly wet and difficult harvest, have, in so far as quantity is concerned, been exceptionally bountiful. Excepting a spell of cold, droughty weather in April, the growing season up to harvest was unusually favorable to luxuriant and vigorous vegetation, and in the case of wheat and rye, the abundance is due mostly, and in that of barley and oats, solely, to the heavy outturn per acre. The surface under wheat was about 112,000 acres more extensive than in 1911, and that under rye, in the production of which Austria ranks third among rye-producing nations, showed an increase of about 21,000 acres. Barley and oats, on the other hand, covered respective areas 76,000 and 27,000 acres less than in the previous season. There was also a slight contraction in the acreage planted to corn.

As a consequence of the propitious growing season the average yield of all cereals per unit of surface was exceedingly heavy. Wheat, in units of measure, gave an average per acre of 22.4 bushels, against an average of 19.6 bushels for the three preceding years; rye, 23.8 bushels, against a 3-year average of 22; barley, by the same comparison, 28.2 bushels, against 25.5; oats, 31.7, against 29.8; and corn, 20.1, against 18.8. In all cases, excepting that of oats and corn, moreover, the 1912 yields attained a maximum as compared with those of any one of the three previous years.

Obviously the supplies of all kinds of grain from the 1912 harvest are exceptionally plentiful. The wheat crop established a new high record and amounted, in units of measure, to 69,712,000 bushels, compared with an average for the three previous years of 58,519,000. Rye yielded 119,620,000 bushels, against a 3-year average of 111,682,000. Barley, though harvested from a smaller acreage than in either of the preceding three years, gave an outturn of 74,145,000 bushels, compared with an annual average of 69,960,000. The yield of oats, 146,376,000 bushels, compares with a 3-year average of 136,839,000, and the 15,053,000 bushels of corn produced in 1912 is slightly above the average (14,779,000 bushels) of the preceding triennium. The official estimates of the cereal area and production, both in units of measure and of weight, and the average yield per acre during each of the four years 1912-1909, are shown in the statement on the following page.

Area, production, average yield per acre, of wheat, rye, barley, oats, and corn in Austria, 1912-1909.

[Estimates Austrian Department of Agriculture.]

Crop and year.	Area.	Production.		Average yield per acre.
		By measure.	By weight.	
Wheat:	<i>Acres.</i>	<i>Bushels.¹</i>	<i>Bushels.²</i>	<i>Bushels.¹</i>
1912.....	3,114,243	69,712,087	69,638,313	22.4
1911.....	3,002,437	58,865,306	58,886,292	19.6
1910.....	2,998,754	58,213,060	57,588,984	19.4
1909.....	2,942,099	58,477,216	58,467,006	19.9
Rye:				
1912.....	5,021,413	119,619,574	117,111,631	23.8
1911.....	4,994,743	105,269,195	104,114,475	21.1
1910.....	5,092,682	112,497,308	108,938,423	22.1
1909.....	5,134,642	117,279,073	114,432,625	22.8
Barley:				
1912.....	2,633,846	74,144,981	78,381,595	28.2
1911.....	2,709,889	69,383,277	74,413,577	25.6
1910.....	2,721,868	64,931,942	67,617,594	23.9
1909.....	2,795,479	75,564,767	79,368,020	27.0
Oats:				
1912.....	4,613,186	146,376,248	167,418,688	31.7
1911.....	4,640,681	135,142,670	156,393,215	29.1
1910.....	4,529,387	126,548,381	142,138,581	27.9
1909.....	4,574,374	148,825,407	171,938,277	32.5
Corn:				
1912.....	747,858	15,052,852	15,255,749	20.1
1911.....	748,251	11,855,774	11,973,120	15.8
1910.....	770,391	16,822,964	17,387,924	21.8
1909.....	831,220	15,657,486	16,101,599	18.8

¹ Winchester bushels.

² Bushels: Wheat, 60; rye and corn, 56; barley, 48; and oats, 32 pounds.

CROP YIELDS IN BOSNIA-HERZEGOVINA, 1912-1907.

The official estimates respecting the agricultural results in 1912, contrasted with those of previous years, have been recently published and are reproduced in the statement below. The yields present no noteworthy difference from those realized in the previous year.

Production of specified crops in Bosnia-Herzegovina, 1912-1907.

Crop.	1912	1911	1910	1909	1908	1907
Wheat.....	<i>Bushels.¹</i> 2,993,000	<i>Bushels.¹</i> 2,941,000	<i>Bushels.¹</i> 2,671,000	<i>Bushels.¹</i> 2,594,000	<i>Bushels.¹</i> 3,023,000	<i>Bushels.¹</i> 2,169,000
Rye.....	450,000	379,000	394,000	368,000	298,000	271,000
Barley.....	2,857,000	2,970,000	3,787,000	3,755,000	2,389,000	2,388,000
Oats.....	4,762,000	5,406,000	5,322,000	4,757,000	3,572,000	2,575,000
Corn.....	8,555,000	8,416,000	10,051,000	10,972,000	8,821,000	6,468,000
Potatoes.....	(²)	2,329,000	5,048,000	(²)	(²)	(²)
Clover and hay.....	<i>Tons.³</i> 882,000	<i>Tons.³</i> 882,000	<i>Tons.³</i> 1,029,000	<i>Tons.³</i> (²)	<i>Tons.³</i> (²)	<i>Tons.³</i> (²)

¹ Bushels: Wheat and potatoes, 60; rye and corn, 56; barley, 48, and oats, 32 pounds.

² No data available.

³ Ton equals 2,000 pounds.

THE 1912 COTTON CROP OF RUSSIA.

According to data collected by the Russian Committee on Cotton, the yield of lint cotton in 1912 amounted to 1,085,191 bales of 500 pounds net, or 146,475 bales larger than the previous high record made in 1911. Statistics of the production in Central Asia, by

provinces, and in Trans-Caucasia as a whole, are shown in the table below:

Production of cotton (lint) in Russia in 1912.

Province.	Pounds.	Bales of 500 pounds net.
Ferghana.....	293,994,305	587,989
Syr-Daria.....	42,288,089	84,576
Samarcand.....	37,593,425	75,187
Bokhara.....	53,230,267	106,461
Khiva.....	32,032,054	64,064
Transcaspian.....	36,148,913	72,298
Trans-Caucasia.....	47,307,768	94,616
Total 1912.....	542,594,821	1,085,191
Total 1911.....	469,358,062	938,716
Total 1910.....	490,700,726	981,401
Total 1909.....	392,546,136	785,092
Total 1908.....	266,512,464	533,025
Total 1907.....	297,100,006	594,200

EGYPTIAN COTTON PRODUCTION AND EXPORTS.

According to a recent report of the Egyptian Department of Agriculture, the slowly but steadily increasing area under cotton in Egypt amounted in 1912 to 1,786,398 acres. Cultivation, as is well known, is largely confined to northern or Lower Egypt, upward of 1,397,000 acres, or over 78 per cent of the total, now being grown in that division of the country. The vigorous efforts in recent years to extend the cotton-growing territory have, however, resulted in a notable expansion in Upper Egypt; in 1912 the area planted in that division reached a total of 389,250 acres, having been practically quadrupled within the past decade.

In the following statement are shown the official statistics of the Egyptian Government on the acreage, production, and average yield per acre of cotton in Egypt for each of the 13 years, 1900-1912.

Area and production of cotton in Egypt, 1900 to 1912.

[From "Monthly return showing the state and prospect of the Egyptian cotton crop," 1912.]

Year.	Lower Egypt.			Upper Egypt.			Total Egypt.		
	Area.	Production.	Average yield per acre.	Area.	Production.	Average yield per acre.	Area.	Production.	Average yield per acre.
	<i>Acres.</i>	<i>Bales.¹</i>	<i>Pounds.</i>	<i>Acres.</i>	<i>Bales.¹</i>	<i>Pounds.</i>	<i>Acres.</i>	<i>Bales.¹</i>	<i>Pounds.</i>
1900.....	1,180,206	1,004,347	425.5	96,534	72,305	374.5	1,276,740	1,076,652	421.6
1901.....	1,187,472	1,176,294	495.3	110,028	85,577	388.9	1,297,500	1,261,872	486.3
1902.....	1,225,878	1,063,379	433.7	98,610	93,303	473.1	1,324,488	1,156,683	436.7
1903.....	1,224,840	1,137,863	404.5	158,814	151,543	477.1	1,383,654	1,289,407	465.9
1904.....	1,232,106	1,030,693	418.3	259,500	219,887	423.7	1,491,606	1,250,580	419.2
1905.....	1,303,728	992,659	380.7	322,818	187,993	291.1	1,626,546	1,180,652	362.9
1906.....	1,307,880	1,204,027	460.3	255,348	172,542	337.9	1,563,228	1,376,569	440.3
1907.....	1,339,020	1,157,673	432.3	324,894	275,552	424.1	1,663,914	1,433,225	430.7
1908.....	1,347,324	(²)	.....	354,996	(²)	.....	1,702,320	1,337,346	392.8
1909.....	1,377,426	(²)	.....	280,260	(²)	.....	1,657,686	990,730	301.6
1910.....	1,375,350	1,174,115	429.4	329,046	306,455	467.6	1,704,396	1,480,570	438.9
1911.....	1,399,224	1,121,620	400.8	376,794	326,462	429.4	1,776,018	1,448,082	410.3
1912.....	1,397,148	1,164,408	419.9	389,250	372,817	477.1	1,786,398	1,537,225	429.4

¹ Bales of 500 pounds net.

² Data by districts not available.

The bulk of both the lint and seed produced is exported, the United Kingdom being the principal country of destination for both products. Important quantities of lint are also shipped to the United States, Germany, France, Russia, and other countries; Germany has also developed into a quite heavy importer of Egyptian cotton seed, and small quantities are taken by the oilseed crushing industry of France. The separate exports of cotton and cotton seed during each of the five calendar years, 1907-1911, are shown below, by countries of destination.

Exports of cotton from Egypt, by countries of destination, 1907-1911.

[From "Commerce Extérieur de l'Egypte."]

Country of destination.	1907	1908	1909	1910	1911
	<i>Bales.¹</i>	<i>Bales.¹</i>	<i>Bales.¹</i>	<i>Bales.¹</i>	<i>Bales.¹</i>
United Kingdom.....	709,780	618,875	675,001	601,048	627,525
United States.....	117,630	82,260	118,536	92,392	117,224
Germany.....	110,131	111,081	123,377	109,860	119,354
Netherlands.....	4,920	5,312	7,510	7,724	9,429
Belgium.....	3,882	4,827	3,996	2,268	1,556
France.....	103,355	106,399	127,172	106,085	112,885
Austria-Hungary.....	65,520	61,443	69,889	59,050	67,997
Italy.....	44,232	50,186	45,552	37,774	43,778
Spain.....	28,582	30,837	22,094	24,494	31,198
Switzerland.....	56,393	51,734	52,719	44,713	57,643
Russia.....	90,200	101,146	95,819	78,391	101,580
China.....	19,640	24,669	28,261	21,855	20,783
Other countries.....	4,519	8,841	7,332	4,785	4,056
Total.....	1,358,784	1,257,610	1,377,258	1,190,439	1,315,013

¹ Bales of 500 pounds.

Exports of cotton seed from Egypt, by countries of destination, 1907-1911.

Country of destination.	1907	1908	1909	1910	1911
	<i>Tons.¹</i>	<i>Tons.¹</i>	<i>Tons.¹</i>	<i>Tons.¹</i>	<i>Tons.¹</i>
United Kingdom.....	456,983	421,006	340,129	235,910	337,447
Germany.....	32,137	34,860	75,101	103,447	152,864
France.....	24,975	30,815	23,775	16,607	19,232
Other countries.....	9,658	12,791	3,123	1,392	783
Total.....	523,753	500,072	442,128	357,356	510,326

¹ Tons of 2,000 pounds.

THE 1912 WHEAT YIELD OF SPECIFIED COUNTRIES, WITH COMPARISONS.

The latest official estimates of 21 Governments on their respective yields of wheat in 1912 indicate an aggregate 248,980,000 bushels larger than the aggregate of the same countries in 1911. It is noteworthy that the total production of these 21 countries is 8,324,000 bushels larger than last year's so-called "world crop." The Argentine and Australian crops included under 1912 in the statement are those of 1911-12. It may be added that the 1912-13 crop of Argentina has recently been provisionally estimated at 198,414,000 bushels and that of Australia at 83,181,360. The statistics of the 21 Governments, by countries, follow.

Production of wheat in countries named, 1912-1908.

Country.	1912 (preliminary).	1911 (final).	1910 (final).	1909 (final).	1908 (final).
	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>
Russia.....	1 727,011,000	509,491,000	775,694,000	783,270,000	565,492,000
United States.....	1 730,267,000	621,338,000	635,121,000	683,350,000	664,602,000
British India.....	366,370,000	374,845,000	359,654,000	285,189,000	228,670,000
France.....	334,871,000	315,126,000	257,667,000	356,193,000	317,765,000
Canada.....	205,685,000	215,918,000	149,990,000	166,744,000	112,434,000
Austria.....	69,712,000	58,865,000	58,213,000	58,477,000	62,129,000
Hungary proper.....	169,510,000	174,888,000	169,700,000	113,352,000	152,204,000
Croatia-Slavonia.....	14,855,000	15,881,000	11,434,000	11,662,000	13,220,000
Bosnia-Herzegovina.....	2,993,000	2,941,000	2,671,000	2,594,000	3,023,000
Argentina.....	1166,190,000	145,931,000	131,010,000	156,162,000	192,457,000
Italy.....	1165,720,000	192,395,000	153,403,000	190,378,000	152,236,000
Spain.....	1112,416,000	148,495,000	137,448,000	144,105,000	119,970,000
Germany.....	1160,224,000	149,411,000	141,884,000	137,999,000	138,440,000
Roumania.....	1 88,924,000	93,724,000	110,761,000	36,751,000	54,813,000
Australia.....	1 73,894,000	98,109,000	93,263,000	64,564,000	46,063,000
England and Wales.....	1 55,373,000	61,847,000	54,886,000	61,268,000	52,337,000
Scotland.....	1 2,472,000	2,786,000	2,020,000	2,111,000	1,854,000
Ireland.....	1 1,564,000	1,656,000	1,716,000	1,809,000	1,438,000
Bulgaria.....	45,403,000	43,000,000	42,247,000	32,071,000	36,496,000
Algeria.....	27,507,000	35,874,000	39,374,000	34,769,000	29,739,000
Tunis.....	4,225,000	8,635,000	5,512,000	6,430,000	3,674,000
Total, 21 countries.....	3,525,186,000	3,276,206,000	3,333,368,000	3,349,248,000	2,949,086,000
The so-called "world crop".....	.....	3,516,862,000	3,572,084,000	3,584,702,000	3,181,547,000

¹ Final.

SPECIFIED CROPS OF DENMARK IN 1911-1908.

Statistics of the production and yield per acre of various crops in 1911 have recently been published by the National Bureau of Statistics, Copenhagen. The figures reduced from Danish to United States units of measure are shown in the annexed statement:

Production of crops in Denmark, 1911-1908.

Crop.	Production.				Yield per acre.			
	1911	1910	1909	1908	1911	1910	1909	1908
	<i>Bush.¹</i>	<i>Bush.¹</i>	<i>Bush.¹</i>	<i>Bush.¹</i>	<i>Bush.¹</i>	<i>Bush.¹</i>	<i>Bush.¹</i>	<i>Bush.¹</i>
Wheat.....	4,466,295	4,547,199	3,829,242	4,317,723	44.6	45.5	38.2	42.9
Rye.....	19,286,084	19,564,742	18,922,028	19,170,454	28.4	28.7	27.8	28.1
Barley:								
Two-rowed.....	17,530,326	18,195,101	18,035,634	16,708,164	37.1	38.5	37.9	35.3
Six-rowed.....	3,436,138	3,598,310	3,563,343	3,457,855	33.6	34.8	34.2	33.3
Total barley....	21,016,464	21,793,411	21,598,977	20,166,019	.....	.....	.....	.....
Oats:								
White.....	35,316,737	34,838,780	36,285,832	34,825,642	44.3	43.7	45.5	43.4
Black.....	5,870,808	5,756,903	5,884,526	5,611,446	29.8	29.3	29.8	28.4
Total oats.....	41,187,545	40,595,683	42,170,358	40,437,088	.....	.....	.....	.....
Maslin.....	17,116,511	17,169,313	17,548,423	16,932,709	40.8	41.1	42.0	40.5
Buckwheat.....	149,858	253,976	198,773	239,835				
Pulse.....	525,371	556,836	505,718	548,265				
Potatoes.....	29,522,396	30,517,267	24,326,960	29,751,374				
Carrots.....	10,769,871	12,779,352	15,724,486	12,889,894				
Beets (fodder).....	175,417,041	202,318,031	192,306,157	184,070,838				
Kohl-rabi.....	126,798,652	161,942,858	153,904,934	151,958,619				
Turnips and other roots.....	113,956,134	141,725,662	139,645,119	137,276,379	(²)	(²)	(²)	
Beets (sugar).....	<i>Tons.³</i>	<i>Tons.³</i>	<i>Tons.³</i>	<i>Tons.³</i>				
Hay:	805,208	814,026	496,247	477,860				
Clover, etc.....	1,422,715	1,459,655	1,425,643	1,561,441				
Meadow.....	779,429	761,191	763,182	815,078				
Total hay.....	2,202,144	2,220,846	2,188,825	2,376,519				

¹ Winchester bushels.² No official data.³ Tons of 2,000 pounds.

THE HOP CROP OF GERMANY, 1912-1907.

The annual estimates of the Imperial Statistical Bureau on the area and production of hops in the Empire in 1912, as compared with the five previous years, are shown in the statement below:

Area and production of hops in Germany, 1912-1907.

AREA.

State.	1912	1911	1910	1909	1908	1907
	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>
Prussia.....	2,434	2,086	2,147	2,066	3,314	3,830
Bavaria.....	43,551	40,492	41,392	43,351	54,095	57,885
Wurttemberg.....	8,107	7,203	7,705	8,614	11,448	12,212
Baden.....	2,464	2,236	2,427	2,886	3,706	4,322
Alsace-Lorraine.....	10,020	9,254	9,372	9,780	10,828	10,764
Other.....	57	4,601	4,826	4,873	5,231	5,619
German Empire.....	66,633	65,872	67,869	71,570	88,622	94,632

PRODUCTION.

	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>
Prussia.....	1,528,890	395,946	1,240,087	552,914	1,625,011	1,813,504
Bavaria.....	25,373,182	10,118,012	23,108,397	9,514,172	29,896,801	28,525,099
Wurttemberg.....	4,989,892	4,104,304	5,312,645	1,232,592	8,358,520	6,548,544
Baden.....	2,593,491	646,168	1,630,743	181,218	3,405,666	3,201,961
Alsace-Lorraine.....	10,810,256	6,713,007	10,581,639	1,184,531	3,410,957	10,015,718
Other.....	38,581	1,452,390	3,124,580	690,922	11,371,327	3,149,712
German Empire.....	45,334,292	23,429,827	44,998,091	13,356,349	58,068,282	53,254,538

COTTON CROP OF BRITISH INDIA, 1912-13.

The third general memorandum of the Commercial Intelligence Department of India, published December 19, 1912, states:

The season has on the whole been favorable, except in parts of the Bombay Presidency and of Hyderabad. The crop in such tracts has suffered more or less through insufficient moisture, owing to the prolonged break in the rains in September and October.

The total area under cotton in all territories reported is 20,941,000 acres, as against 19,383,000 acres at this date last year, an increase of 8 per cent. The total outturn is estimated at 4,330,000 bales of 400 pounds each, as against some 3,100,000 bales at this date last year, an increase of 40 per cent. To this figure might be added some 1,000 bales as the estimated yield in the native States in Bihar and Orissa, which make no returns.

Approved.

JAMES WILSON,
Secretary of Agriculture.

WASHINGTON, D. C., January 21, 1913.

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